

HÃ¥kan Gustafsson

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

334
citations

933447

10
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

518
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Pronounced kidney hypoxia precedes albuminuria in type 1 diabetic mice. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, F807-F809. | 2.7 | 51 |
| 2 | Lithium formate EPR dosimetry for verifications of planned dose distributions prior to intensity-modulated radiation therapy. <i>Physics in Medicine and Biology</i> , 2008, 53, 4667-4682. | 3.0 | 35 |
| 3 | A High Precision Method for Quantitative Measurements of Reactive Oxygen Species in Frozen Biopsies. <i>PLoS ONE</i> , 2014, 9, e90964. | 2.5 | 30 |
| 4 | Ammonium Formate, a Compound for Sensitive EPR Dosimetry. <i>Radiation Research</i> , 2004, 161, 464-470. | 1.5 | 29 |
| 5 | Radiation-induced radicals in lithium formate monohydrate (LiHCO ₂ ·H ₂ O). EPR and ENDOR studies of X-irradiated crystal and polycrystalline samples. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 3017-3022. | 2.8 | 29 |
| 6 | Biogenic Mn-Oxides in Subseafloor Basalts. <i>PLoS ONE</i> , 2015, 10, e0128863. | 2.5 | 28 |
| 7 | Kidney outer medulla mitochondria are more efficient compared with cortex mitochondria as a strategy to sustain ATP production in a suboptimal environment. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F677-F681. | 2.7 | 26 |
| 8 | Enhanced sensitivity of lithium dithionates doped with rhodium and nickel for EPR dosimetry. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 62, 614-620. | 3.9 | 25 |
| 9 | Metformin attenuates renal medullary hypoxia in diabetic nephropathy through inhibition uncoupling protein-2. <i>Diabetes/Metabolism Research and Reviews</i> , 2019, 35, e3091. | 4.0 | 16 |
| 10 | Fe(III) distribution varies substantially within and between atherosclerotic plaques. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 885-892. | 3.0 | 11 |
| 11 | A system for remote dosimetry audit of 3D-CRT, IMRT and VMAT based on lithium formate dosimetry. <i>Radiotherapy and Oncology</i> , 2014, 113, 279-282. | 0.6 | 10 |
| 12 | Visualization of oxidative stress in ex vivo biopsies using electron paramagnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1682-1691. | 3.0 | 9 |
| 13 | The effect of inactin on kidney mitochondrial function and production of reactive oxygen species. <i>PLoS ONE</i> , 2018, 13, e0207728. | 2.5 | 8 |
| 14 | Comparison of the Agatston score acquired with photon-counting detector CT and energy-integrating detector CT: ex vivo study of cadaveric hearts. <i>International Journal of Cardiovascular Imaging</i> , 2022, 38, 1145-1155. | 1.5 | 8 |
| 15 | EPR imaging of dose distributions aiming at applications in radiation therapy. <i>Radiation Protection Dosimetry</i> , 2014, 159, 130-136. | 0.8 | 4 |
| 16 | Combined imaging of oxidative stress and microscopic structure reveals new features in human atherosclerotic plaques. <i>Journal of Biomedical Optics</i> , 2015, 20, 020503. | 2.6 | 4 |
| 17 | Precipitation of Mn Oxides in Quaternary Microbially Induced Sedimentary Structures (MISS), Cape Vani Paleo-Hydrothermal Vent Field, Milos, Greece. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 536. | 2.0 | 4 |
| 18 | Repetitive Measurements of Intrarenal Oxygenation In Vivo Using L Band Electron Paramagnetic Resonance. <i>Advances in Experimental Medicine and Biology</i> , 2014, 812, 135-141. | 1.6 | 3 |

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|----|---|-----|-----------|
| 19 | EPR Oximetry of Cetuximab-Treated Head-and-Neck Tumours in a Mouse Model. Cell Biochemistry and Biophysics, 2017, 75, 299-309. | 1.8 | 3 |
| 20 | High-resolution mapping of 1D and 2D dose distributions using X-band electron paramagnetic resonance imaging. Radiation Protection Dosimetry, 2014, 159, 182-187. | 0.8 | 1 |